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STAAS & HALSEY LLP  
SUITE 700  
1201 NEW YORK AVENUE, N.W.  
WASHINGTON, DC 20005

EXAMINER

YANG, RYAN R

ART UNIT	PAPER NUMBER
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2672

DATE MAILED: 06/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/864,268

Applicant(s)

SUDO ET AL.

Examiner

Ryan R. Yang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 09 December 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-37 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-37 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

1. This action is responsive to communications: Amendment, filed on 12/9/2004.

This action is final.

2. Claims 1-37 are pending in this application. Claims 1, 11, 12, 22, 23, 33, 34 and 36 are independent claims. In the Amendment, filed on 6/14/2004, claims 1, 12 and 23 were amended, and claims 34-37 were added.

3. This application claims foreign priority dated 12/22/2000.

4. The present title of the invention is "Event-for-change oriented information display method and information processing system using the same method" as filed originally.

### ***Claim Rejections - 35 USC § 102***

5. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

6. Claims 1-4, 10, 12-15, 21, 23-26, 32 and 34-37 are rejected under 35 U.S.C. 102(e) as being anticipated by Okishima (5,659,333).

As per claim 1, Okishima discloses an information display method comprising:  
displaying information in a predetermined display area (Figure 3B where the shaded area is a predetermined display area);

detecting a manipulation of changing a display block of the information displayed in the display area (Figure 2 where 1004 detects a scroll event); and

displaying the information by changing an attribute of a portion of the displayed information including a portion newly displayed in accordance with the detection of the

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changing manipulation (Figure 3C "After a predetermined length of time elapses during the scroll process, data displayed on the screen is reduced as shown in Figure 3D. Thus, a larger amount of data is displayed at the same time as shown in Figure 3A", column 3, line 3-7).

7. As per claim 12, Okishima discloses an information processing system comprising all the elements as in claim 1, therefore is similarly rejected as claim 1.

8. As per claim 23, Okishima discloses a storage medium readable by a machine (Figure 1 11), tangibly embodying a program of instructions executable by the machine to perform method steps comprising all the elements as in claim 1 and therefore is similarly rejected as claim 1.

9. As per claims 2, 13 and 24, Okishima demonstrated all the elements as applied to the rejection of independent claims 1, 12 and 23, supra, respectively, and further discloses wherein the attribute is a display size of each of elements structuring the information, or a pitch between the elements structuring the information (Figure 3D where the data size is the attribute).

10. As per claims 3, 14 and 25, Okishima demonstrated all the elements as applied to the rejection of dependent claims 2, 13 and 24, supra, respectively, and further discloses said display information control unit scales down the display size or the pitch defined as the attribute smaller than in a normal display state for displaying the information in the predetermined display area (Figure 3D where the shaded area is the scaled down area).

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11. As per claims 4, 15 and 26, Okishima demonstrated all the elements as applied to the rejection of independent claims 1, 12 and 23, *supra*, respectively, and further discloses said display information control unit gets the information displayed in a way that changes the attribute in a direction of changing the display block (Figure 3D since the reduced area is proportional to the reduced elements, the direction of changing display block is inherently proportional to the direction of changing display attributes).

12. As per claims 10, 21 and 32, Okishima demonstrated all the elements as applied to the rejection of independent claims 1, 12 and 23, *supra*, respectively, and further discloses wherein the information is text information, and the structuring elements are characters of the text information (Figure 1, item 15 where the Display Data Storage stores the text data to be edited, column 2, line 15-16).

13. As per claim 34, Okishima discloses an image display method comprising:  
displaying text in a predetermined display area (Figure 3B where the shaded area is a predetermined display area; Figure 1, item 15 where the Display Data Storage stores the text data to be edited, column 2, line 15-16);

detecting a manipulation of scrolling a display block of the text displayed in the display area (Figure 2 where 1004 detects a scroll event); and

displaying the text by decreasing a character size of the text with the detection of the scrolling manipulation (Figure 3C "After a predetermined length of time elapses during the scroll process, data displayed on the screen is reduced as shown in Figure 3D. Thus, a larger amount of data is displayed at the same time as shown in Figure 3A", column 3, line 3-7).

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14. A per claim 35, Okishima discloses an information processing system (Figure 1) with all the elements as disclosed in the rejected claims 34.

15. As per claim 36, Okishima discloses a method of display scrolling, the method comprising:

providing a document and a scrolling interface where a user smoothly scrolls different portion of the document through a scroll view area on a display (Figure 3B is a document and Figure 1, item 16 is an scrolling interface);

when the user is not scrolling the document, automatically displaying the portion of the document displayed in the scroll view area such that characters of the document in the scroll view area are displayed with a first character size (Figure 3C is the size without scrolling);

when the user is scrolling the document, automatically displaying the portion of the document displayed in the scroll view area such that characters of the document in the scroll view area are displayed with a second character size that is smaller than the first character size, where a same character is automatically displayed smaller when it is being scrolled than when it is not being scrolled (Figure 3D, the shaded area is smaller than the original area).

16. As per claim 37, Okishima discloses a method according to claim 36, wherein when the document is being scrolled more lines of text are displayed in the scroll view area than when the document is not being scrolled (since the original area becomes smaller, it is inherent that more data can be displayed within the same original area).

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17. Claims 11, 22 and 33 are rejected under 35 U.S.C. 102(e) as being anticipated by Bricklin et al. (5,848,187).

As per claim 11, Bricklin et al., hereinafter Bricklin, discloses an information display method comprising:

selecting a range of information from processing target information (Figure 13A where "Acme Sales" is the selected information; "targeting" is the process of selecting (column 12, line 24-33));

calculating a size of the range of information (Figure 13C; "From the bounds of each stroke of the entry, the bounds of the entire entry are determined", column 12, line 49-51); and

changing an attribute of the information, when the size of the selected range of information exceeds a size with which the information is displayable within a predetermined display area, the information in the selected range is displayed within the display area by changing the attribute of the information in the selected range ("the present invention rescales the dimension of the entry so as to fit into the target cell", column 13, line 13-15; where the size is the attribute).

18. As per claim 22, Bricklin discloses an information processing system comprising:

a manipulation unit (Figure 16D) selecting a part of information from processing target information ( "targeting" is the process of selecting (column 12, line 24-33));

a calculation unit calculating a size of the part of information (Figure 13C "From the bounds of each stroke of the entry, the bounds of the entire entry are determined", column 12, line 49-51); and

an attribute changing unit changing an attribute of the information, wherein said attribute changing unit, when the size of the selected range of information exceeds a size with which the information is displayable within a predetermined display area, displays the information in the selected range within the display area by changing the attribute of the information in the selected range ("the present invention rescales the dimension of the entry so as to fit into the target cell", column 13, line 13-15; where the size is the attribute).

19. As per claim 33, Shimizu discloses a storage medium readable by a machine (Since this is a computer system performing the method of manipulating data), tangibly embodying a program of instructions executable by the machine to perform method functions comprising:

selecting a range of information from processing target information (Figure 13A where "Acme Sales" is the selected information; "targeting" is the process of selecting (column 12, line 24-33))

calculating a size of the part of information (Figure 13C; "From the bounds of each stroke of the entry, the bounds of the entire entry are determined", column 12, line 49-51); and

changing an attribute of the information, wherein when the size of the selected range of information exceeds a size with which the information is displayable within a predetermined display area, the information in the selected range is displayed within the display area by changing the attribute of the information in the selected range ("the



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present invention rescales the dimension of the entry so as to fit into the target cell", column 13, line 13-15; where the size is the attribute).

***Claim Rejections - 35 USC § 103***

20. Claims 5-8, 16-19 and 27-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Okishima and further in view of Hallberg (6,417,867).

As per claims 5, 16 and 27, Okishima demonstrated all the elements as applied to the rejection of independent claims 2, 13 and 24, supra, respectively.

Okishima discloses an information displaying method. It is noted that Okishima does not explicitly disclose **the information is text information, the structuring elements are characters of the text information, and during the changing manipulation, the text information is displayed in different character sizes or at different character pitches between one or more specified lines within the display area and lines other than the specified lines, or between one or more specified columns within the display area and columns other than the specified columns, or between specified segments in the display area and a region excluding the specified segments**, however, this is known in the art as taught by Hallberg. Hallberg discloses a display method in which the area is scrollable ("this approach could be combined, for instance, with a scrolling control function", column 11, line 28-29) and a region between a specified region and unspecified region is warped in varying size and line width (Figure 12, area 84).

Thus, it would have been obvious to one of ordinary skill in the art to incorporate the teaching of Hallberg into Okishima because Okishima discloses an information

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displaying method and Hallberg discloses a transition region between a specified region and unspecified region can be gradually sized in order to present a continuity view.

21. As per claims 6, 17 and 28, Okishima demonstrated all the elements as applied to the rejection of independent claims 1, 12 and 23, supra, respectively, and Hallberg further discloses **during the changing manipulation, the information is displayed in a way that sets a different attribute corresponding to a position in the display area** (Figure 12, area 84 where area closer to 86 is more magnified and area closer to 88 is closer to original size).

Thus, it would have been obvious to one of ordinary skill in the art to incorporate the teaching of Hallberg into Okishima because Okishima discloses an information displaying method and Hallberg discloses a transition region between a specified region and unspecified region can be gradually sized in order to present a continuity view.

22. As per claims 7, 18 and 29, Okishima demonstrated all the elements as applied to the rejection of independent claims 1, 12 and 23, supra, respectively, and Hallberg further discloses **during the changing manipulation, the information with the attribute changed is displayed in a part within the predetermined display area, and the information is displayed with a different attribute in other part within the display area** (Figure 12, area 86 and 88).

Thus, it would have been obvious to one of ordinary skill in the art to incorporate the teaching of Hallberg into Okishima because Okishima discloses an information displaying method and Hallberg discloses a transition region between a specified region and unspecified region can be gradually sized in order to present a continuity view.

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23. As per claims 8, 19 and 30, Okishima demonstrated all the elements as applied to the rejection of independent claims 1, 12 and 23, supra, respectively, and Hallberg further discloses **during the changing manipulation, the information with the attribute changed is displayed in the predetermined display area, and the information is displayed with a different attribute in a display area different from the former display area** (Figure 12, area 86 and 84).

Thus, it would have been obvious to one of ordinary skill in the art to incorporate the teaching of Hallberg into Okishima because Okishima discloses an information displaying method and Hallberg discloses a transition region between a specified region and unspecified region can be gradually sized in order to present a continuity view. Claims 5-8, 16-19 and 27-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Okishima and further in view of Hallberg (6,417,867).

24. Claims 9, 20 and 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Okishima and further in view of Goto et al. (5,434,591).

As per claims 9, 20 and 31, Okishima demonstrated all the elements as applied to the rejection of independent claims 1, 12 and 23, supra, respectively.

Okishima discloses an information displaying method. It is noted that Okishima does not explicitly disclose **wherein the attribute is set based on a speed at which the display block is changed**, Goto et al., hereinafter discloses a method of scrolling in which the displaced data changes with speed ("the size of a pattern is enlarged or reduced in accordance with the scrolling speed", column 9, line 56-57).

Thus, it would have been obvious to one of ordinary skill in the art to incorporate the teaching of Goto into Okishima because Okishima discloses an information displaying method and Goto discloses the size of the display area changes with the speed in order to accommodate the processing bottleneck.

### ***Response to Arguments***

25. Applicant's arguments, see amendment, filed 12/9/2004, with respect to the rejection(s) of claim(s) 1, 12 and 23 under Duke have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Okishima (5,659,333).

As per claims 11, 22 and 33, applicant's alleges Bricklin does not suggest the ability to select information beyond a predetermined display area. In reply, examiner considers the selected information "Acme Sales" (Figure 13A) is beyond the predetermined area, and it is selected to be processed.

### ***Conclusion***

26. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

27. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

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shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

***Inquiries***

28. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ryan R Yang whose telephone number is (571) 272-7666. The examiner can normally be reached on M-F 9:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Razavi can be reached on (571) 272-7664. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Ryan Yang  
May 26, 2005